

19990130.ba v02\_n406.bam.990130 v02\_n407.bam.990130

>From ???@??? Sun Jan 31 04:12:25 1999  
Message-Id: <199901301748.LAA08977@sco.theporch.com>  
Date: Sat, 30 Jan 1999 11:47:09 CST  
From: Old Tube Radios <boatanchors@theporch.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: BOATANCHORS digest 2406

## BOATANCHORS Digest 2406

Topics covered in this issue include:

- 1) Need Tektronix Manuals  
by "N. West" <ninaw@u.washington.edu>
- 2) Ham Mags- What has value?  
by David Stinson <arc5@ix.netcom.com>
- 3) Re: Crystal Calibrator for a NC-183D  
by Niel Wiegand <nielw@ix.netcom.com>
- 4) RE: Toob question  
by "ROBERT W. DOWNS" <RWDowns\_WA5CAB@compuserve.com>
- 5) Tube Collectors = New Club + Newsletter = It's great!  
by John Dilks <oldradio@worldnet.att.net>
- 6) Contact No. for CW Crystals?  
by Dick Dillman <ddillman@igc.apc.org>
- 7) Need PRC-9A (or PRC-8A or PRC-10A) part  
by David Ross <ross@hypertools.com>
- 8) Re: Batteries on Concrete  
by "Arden Allen" <gumbear@pacbell.net>
- 9) Collins Mechanical Filter Adaptors  
by "ROBERT W. DOWNS" <RWDowns\_WA5CAB@compuserve.com>
- 10) Impedance bridge  
by Bill Hawkins <bill@iaxs.net>
- 11) WTB - Speaker to match SX-111  
by W4UOC@aol.com
- 12) RE: Batteries on Concrete  
by "Jim Berry" <basalop@gte.net>
- 13) R1224A info wanted  
by BEN NOCK <G4BXD@compuserve.com>
- 14) FMLA: Maximizing  
by mnhopkins@juno.com
- 15) magazines-wow!  
by "Paul Bernhard Sr." <w2tu@email.msn.com>
- 16) FS: MX-2962 plug-in  
by "Joseph W. Pinner" <kc5ijd@sprintmail.com>
- 17) Re: SB102 w/distorted receive audio  
by k4pf@juno.com
- 18) Re: Burping Batteries

- by AAFRadio@erols.com
- 19) Rotary inverter - Give away  
by "Ragnar Otterstad" <otterstad@inet.uni2.dk>
- 20) Re: Batteries on Concrete  
by Bob Roehrig <broehrig@admin.aurora.edu>
- 21) Collins C-975/URR description  
by "Gibbs, Dennis" <dgibbs@Rational.Com>

-----  
Date: Fri, 29 Jan 1999 15:56:39 -0800 (PST)  
From: "N. West" <ninaw@u.washington.edu>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Need Tektronix Manuals  
Message-ID: <Pine.A41.4.05.9901291552220.85284-100000@dante38.u.washington.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Saw somebody else's request for manuals and it reminded me that I have a need for the following Tektronix manuals, copies or original.

Tek 555 dual beam with 21A/22B time bases  
Tek W plugin  
Tek 1A1 plugin

\$ or trade for ?  
thanks  
Fred Powell  
c/o  
ninaw@u.washington.edu

-----  
Message-ID: <36B25609.31ECBE73@ix.netcom.com>  
Date: Fri, 29 Jan 1999 18:44:57 -0600  
From: David Stinson <arc5@ix.netcom.com>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Ham Mags- What has value?  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Paul:  
I can't say what would be of interest to any one person, of course, but I can give you an idea of what magazines have resale value.

With the exception of the CQs, which are modestly valued right up to the mid 60s, no ham magazines post-1945 are worth fooling with. There are just too many of them still around and too few people who care. The CD-ROMs of QST will cut the value of the paper copies even more.

I bought over 1000 issues of every kind of ham and electronics magazine in one estate.  
I ended-up giving away almost everything both ham-related and non-CQ that was post-1945.  
Even a near-complete set of Ham Radio from womb to tomb went begging.  
Most post-45 QSTs might as well have been last month's newspapers.

Complete yearly sets of magazines like Electronics Illustrated, Popular Electronics etc. sold well. I had every issue of Popular Electronics from No. 1 all the way to 1983 and several people wanted the whole set. Cost a fortune to ship in seven boxes, but he was delighted.  
Surprisingly, people in Japan wanted the 73 magazines! Figure that one out.

Your 30s QSTs will have modest value, but you won't make enough to pay the light bill you read them by ;-).

Hope this helps give you some perspective.  
73 OM DE Dave Stinson AB5S  
arc5@ix.netcom.com

-----  
Message-ID: <36B257BA.CEB69747@ix.netcom.com>  
Date: Fri, 29 Jan 1999 18:52:10 -0600  
From: Niel Wiegand <nielw@ix.netcom.com>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
CC: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Crystal Calibrator for a NC-183D  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Robert,

Here's info on the 1MHz calibrator that National sold for the NC109:

[http://www.io.com/~nielw/nat\\_list/xcu109.htm](http://www.io.com/~nielw/nat_list/xcu109.htm)

You might also want to look at the info on the web page for the xcu-300.

73,  
Niel-WA5VLZ Rochester, MN

Robert Lawson wrote:

>

> Fellow BA'ers:

>  
> I need suggestions and possibly some circuits for a crystal calibrator  
> for my newly acquired National NC-183D receiver. I would like to have  
calibrator  
> that would produce a marker signal every 1 megahertz.

-----  
Date: Fri, 29 Jan 1999 20:17:55 -0500  
From: "ROBERT W. DOWNS" <RWDowns\_WA5CAB@compuserve.com>  
Subject: RE: Toob question  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-ID: <199901292018\_MC2-6888-17FE@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Disposition: inline

Dan and Group,

The differences between the 811A and 812A are essentially the same as the= differences between the 250TH and 250TL, or as someone mentioned, the 12A= X7 and 12AU7, amplification factor. The 811A is a hi-mu triode, gain about 160, and the 812A is a low-mu triode, gain about 29. The output power, current and frequency range characteristics are about the same. As was pointed out, the DC bias requirements are somewhat different.

73,  
Robert Downs  
WA5CAB  
Houston, TX

-----  
Message-ID: <36B26BC4.7E36@worldnet.att.net>  
Date: Fri, 29 Jan 1999 21:17:40 -0500  
From: John Dilks <oldradio@worldnet.att.net>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Tube Collectors = New Club + Newsletter = It's great!  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

To all BA,

A Tube Collectors Club has been formed by some of the b-i-g Collectors and Historians. "It's very well done. John Dilks, K2TQN"

For more information and an application go to:

<http://www.eht.com/oldradio/tubecollectors/index.html>

FYI: A group of collector-historians has recently formed the "Tube Collectors Association." This is in response to the need for a focused group dedicated to the growing activity of collecting radio/wireless tubes and to sharing historical insight about them. As a tube enthusiast, you'll probably be interested in this development, and may want to help guide the activities of the group from the start.

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Jerry Vanicek

John Walker

--

73' John Dilks, K2TQN

Please visit my OldRadio Museum

<http://www.eht.com/oldradio/museum>

Webmaster for the Antique Wireless Association

<http://www.ggw.org/awa> Click on "Page 2"

--and--

for the New Jersey Antique Radio Club

<http://www.eht.com/oldradio>

-

-----  
Date: Fri, 29 Jan 1999 18:21:38 -0800 (PST)  
Message-Id: <2.2.16.19990129182040.3f8fb226@pop.igc.org>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Dick Dillman <ddillman@igc.apc.org>  
Subject: Contact No. for CW Crystals?

Looking for the contact telephone number for CW Crystals. Can anyone supply?

Regards,

Dick

Dick Dillman  
<ddillman@igc.apc.org>  
WPE2VT W6AWO  
Collector Of Heavy Metal:  
Harleys, Willys and Radios Over 100lbs.

-----  
Message-Id: <3.0.6.32.19990129194919.007bba30@mail.willapabay.org>  
Date: Fri, 29 Jan 1999 19:49:19 -0800  
To: Old Tube Radios <boatanchors@theporch.com>  
From: David Ross <ross@hypertools.com>  
Subject: Need PRC-9A (or PRC-8A or PRC-10A) part  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

BAfolks -

I'm looking for an O-325/U 'Pulse-Sweep Generator' module for my PRC-9A. It is U301 in the "A" model radios but is not used in the 'plain' PRC-8, -9, & -10 radios.

Have a pair of brand new AM-427A IF amp modules to swap for your O-325/U module, or will pay cash. (The AM-427A is usable in either the plain radios or in the "A" model radios.

73 and thanks!

Dave Ross      ross@hypertools.com

-----  
Message-Id: <199901300403.UAA08786@mail-gw6.pacbell.net>

From: "Arden Allen" <gumbear@pacbell.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Batteries on Concrete  
Date: Fri, 29 Jan 1999 20:04:06 -0800  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Howdy Jim;

> .....Remember a battery has a certain life span. Weigh that  
against the  
> cost. I got mine from a wrecking yard for about \$15. It came from a  
very late  
> model car, so I had to assume it was in fine shape. I have one of those  
chargers  
> that keeps a trickle charge on it so I assume I am going to get quite a  
few years  
> use out of it.

Because a car battery can be expected to be value engineered for use as a car starter it can also be expected that it may not do so well being left on trickle charge for long periods of time. My experience has been that the battery eventually develops a high resistance and cannot be used for its intended purpose. It took less than a year for a new battery to become useless. Some have recommended that such a battery be "burped" (or belched?) by applying a very high current load periodically. As I understand it the current surge "strips" the sulfate from the plates. Perhaps once every 24 hours as controlled by a timer a 300 amp or so load can be applied for about 2 seconds via a starter solenoid. Never tried it but it sounds logical to me. Anyone have experience "burping" batteries?

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

-----  
Date: Fri, 29 Jan 1999 23:51:47 -0500  
From: "ROBERT W. DOWNS" <RWDowns\_WA5CAB@compuserve.com>  
Subject: Collins Mechanical Filter Adaptors  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-ID: <199901292351\_MC2-6889-1D0F@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Disposition: inline

Group,

John finally managed to track down the usage of the 353C-31 adaptor that =

I  
have. It is 500KC made for the 75A-1 (although he didn't say so, I guess=  
that there was an equivalent 51J which I suppose would be the 51J-1). I  
don't have either receiver. The R-388's that I do have use miniature  
tubes. So, does anyone need this unit? I can't guarantee that it works  
but can't see anything to indicate that it wouldn't.

While I'm on the subject, I'd like to find a 354A-1 kit or a parts 51J-4 =  
to  
use to upgrade one of my R-388's.

73,  
Robert Downs  
WA5CAB  
Houston, TX

-----  
Date: Fri, 29 Jan 1999 23:39:45 -0600 (CST)  
From: Bill Hawkins <bill@iaxs.net>  
Message-Id: <199901300539.XAA27883@citrus.iaxs.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Impedance bridge

Picked up a Heath IB-2A bridge at an industrial salvage place, then got  
a book for it. It uses 1 volt tubes for the AC oscillator and AC meter  
amplifier. Does L, R, and C, with D and Q readings. 0.1 ohm to 10 megs,  
100 pF to 100 microF, 0.1 mH to 100 H. Uses 0.5% parts, but rated accuracy  
is 3% for R and C, 10% for L, 20% D & Q. A line voltage power supply runs  
it, with DC on the heaters. Tubes are 2 1L4 and 2 1U4. Meter is 100-0-100  
microamps. Size 8x17x6, weight 15 pounds. Painted grey, book dated 6/60.

Seems functional, but I don't want it. I bought it to see what was in it.  
Did that. I could spend some time to clean it up, soak it in De-oxit, and  
calibrate it, if I thought anyone would want it. Lord knows there's other  
projects around, but this one's a no-brainer and will free up 17 inches  
of shelf space. Any reasonable offer considered; the alternative is to  
scrap it for parts.

Regards,  
Bill Hawkins

-----  
From: W4UOC@aol.com  
Message-ID: <d4d696c5.36b29b51@aol.com>  
Date: Sat, 30 Jan 1999 00:40:33 EST  
To: Old Tube Radios <boatanchors@theporch.com>  
Mime-Version: 1.0



Subject: WTB - Speaker to match SX-111  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

Although I thought I was out of the HT-37, SX-111 business I now have two more transmitters and a very clean SX-111 that followed me home today. Guess it is a message that I must put them on the air.

Thus I am planning on a Hallicrafters set up to include the HT-37, SX-111 and T0 keyer. I would like to find a matching speaker to the SX-111 and I am not even sure what goes with it.

Tom Koch - W4UOC  
8170 Habersham Waters Road  
Dunwoody, GA 30350

-----  
From: "Jim Berry" <basalop@gte.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: RE: Batteries on Concrete  
Date: Sat, 30 Jan 1999 00:02:37 -0800  
Message-ID: <001501be4c26\$e66e2940\$5b4afdd0@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hello Ardin and Group,

It would not hurt a car battery one bit to put it on a big nasty load and drain it down. Then put it on a big charge. As much as it can handle. The life would go way up. Thing is doing this. If there was an economical way of digging up the parts for the load and a charger capable of large ampage output, one would be set.

The load can be created with a roll of #14 house wire. You would have to look up how many ohms per foot the wire has. Then you could figure out how many feet you needed. Put the roll in a tub of water.

Now getting it charged at it's maximum rate, anyone have any ideas?

I would not doubt one could go to a battery service place and present them with the problem. They might do the whole job for a really cheap price. The next time I go past a battery place, I will have to stop in and see what they have to say. I would not doubt if you could "burp" a battery just a couple times a year, the thing would last 6 or 8 easy. Interesting thought.

73 Jim K7SLI

> car starter it can also be expected that it may not do so well being left  
> on trickle charge for long periods of time.

> Some have recommended that such a battery be "burped" (or  
> belched?) by applying a very high current load periodically. As I

-----  
Date: Sat, 30 Jan 1999 05:45:17 -0500  
From: BEN NOCK <G4BXD@compuserve.com>  
Subject: R1224A info wanted  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-ID: <199901300545\_MC2-6896-ED88@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Disposition: inline

I am looking for info on the RAF R1224A receiver.

I have a circuit diagram but would like any other info, history, =

location of use etc etc. =

Any copy costs covered of course. =

Many thanks. =

Ben G4BXD.

-----  
From: mnhopkins@juno.com  
To: Old Tube Radios <boatanchors@theporch.com>  
Date: Sat, 30 Jan 1999 07:16:33 -0600  
Subject: FMLA: Maximizing  
Message-ID: <19990130.071758.-457763.0.MNHopkins@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

Frank's bodyguards found another prowler.

I knew that when I saw a man who could have been right out of a Damon Runyon story being conducted down my basement stairway by a young mother carrying a baby bag. "Frank," said the 20-something woman, "We caught this guy crawling around under your car."

"I was checking the muffler," the old man said. It made sense to me, but maybe I'd better explain: Frank is a fellow who plans to take back 56-60 mc with a "Five Meter Liberation Army" when TV moves up. But the woman, a tallish, distracted-looking mouse blonde who is not a mom, isn't in that army. She is in another army called W.A.R. She and her pals guard Frank because he does their communications. The baby bag, aside from holding Christie's (that's the woman's name) latest reading material and other girl stuff, contains a foot-long double barrel 12 gauge.

Some time ago she, Frank and I were in my basement shop when, on National Public Radio, she heard an account of the Gunfight at OK Corral, which that particular October 26 celebrated its 100 and something anniversary. Ms Christie was much impressed with the expeditious way Doc Holiday dealt with some folks with a double, so she traded her revolver to another bodyguard, who I call the WARmon, for this clearly illegal piece. It seems the WARmon had several left from some project.

I mentioned to Christie I was beginning to hear complaints of "too many guns" from higher up, so she began carrying it in a baby bag from Toys Are Us. The nylon notation "'Nite,'Nite, Baby," may have appealed to her.

At least that's what I think is in there. I made a bad joke asking why she did not use a Browning "Sweet 16" and she wrote that down, so you never know. You never know, that's what to remember when dealing with Frank who stepped up and said, "Hello H.P. -- glad you could come by" That would have ended the problem, you would think, but just then the other bodyguard, the WARmon, came down the stairway with a big black machine gun on his shoulder. "He had this in his car," the WARmon said.

The old man said he kept that "to remind him of his daddy," and that was good enough for Frank. So the WARmon had to take it back to the car and I wish I had gone with him as I learned later from a neighbor that the car was a Maxwell, which is rare even sitting next to Frank's Frazer. Anyway, Frank and H.P., who I guess was retired from the electronics company, talked about old times for a while, telling me as an aside that they got along better if they "agreed to disagree" about a number of things.

They finally got down to business, which was one of Frank's projects. The older guy was a quick study because he was soon up to speed on a pulse encryption system Frank was building up for 58 mc. Frank took a piece of plywood about two feet by four, a bunch of 6J6s, and went to work the night before. Frank is not a miniature tube man, except for mobile where he cannot resist the 6AK5's low appetite for heater, but he must have needed 6J6s because he adopted a pasteboard box full of them to Octal plugs and was well on his way to a prototype. As usual he used whatever he could scrounge which included a piece of an old VCR for the twin lead inputs. He used the old "UHF" and "VHF" connector holes to mount a pot and a variable cap for which he scribbled some labels and taped them on.

H.P.'s part of it seemed to be cosmetic. He followed Frank around and cleaned up the free style technique. He borrowed a file and radiused all the sharp edges from the pieces of TV set hardware Frank used to hold things. With an ice pick I keep down there he illuminated the aluminium brackets. Then he hand painted all the metal that was not aluminium with my kid's airplane paint and worked three coats of shellac into the board after sanding and filling around the already mounted components.

They fought over taking out the wires that went thru the board to install grommets, but Frank finally agreed. It seems one of Frank's reasons for using a wood chassis is that it protects "fools" as he terms them, who do not check every wall outlet every time with a neon tester. Frank thinks "the pole pig is a good enough transformer," and gets his B plus by multiplying up. This rig had a bunch of caps, all in Octal plug mountings, and showed a bit over 1600 VDC on Frank's neon lamp voltmeter. That seemed high for a 6J6, but Frank just mumbled something about "duty cycle" when I asked.

By the time they were through, the project was working to Frank's satisfaction, although Ch. 2 wasn't working at all. The whole thing looked pretty good to me. But H.P. stayed at it for another hour before he left and, by then, the piece of scrap looked like a restored Atwater Kent or MacIntosh.

Frank and Christie saw H.P. off, and when Frank came back I taunted him with his own words: "Since how it looks does not matter to the Either, why worry about it?" He said he still believed that but invited H.P., who he called the "high priest of form over function," to help because Frank was trying to catch the eye of the new generation and "win them over to the joy of home-constructed and understood radio equipment." To that end he planned to enter this thing "in the next big hamfest home brew contest," and win,

thus giving him a forum.

I didn't know how to tell him, so I haven't.

de ab5L, Michael Hopkins, Box 226841, Dallas, TX 75222,  
MNHopkins@JUNO.com FMLA XXIII  
Student of Tecraft, ICM, and Six Meters' golden age, 1956-58.

-----  
Message-ID: <008901be4c59\$f97be800\$4a582299@default>  
From: "Paul Bernhard Sr." <w2tu@email.msn.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: magazines-wow!  
Date: Sat, 30 Jan 1999 09:08:11 -0500

Hi all;

This was the first time I listed anything like this and was overwhelmed at the response. I don't have the magazines here but I will be going over to the silent key's house to pick up some of the equipment next Tuesday and will look more closely at the mags. I didn't pay much attention at first since I also have seen stacks of mags at hamfests and they didn't look like much. Thanks to all who responded. I have the mdsgs saved and will get back to you all after Tuesday. I know his widow will appreciate any help with this.

Paul B. W2TU

w2tu@msn.com

-----  
Message-Id: <199901301438.GAA29174@magpie.prod.itd.earthlink.net>  
Subject: FS: MX-2962 plug-in  
Date: Sat, 30 Jan 1999 08:42:02 -0600  
From: "Joseph W. Pinner" <kc5ijd@sprintmail.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
cc: "Boatanchor 2" <BOATANCHORS@listserv.tempe.gov>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"

Have a MX-2962 variable time delay horizontal plugin for the USM-105, -139, -141, -146 scopes. Includes copy of manual.

\$ 45 plus shipping.

73

Joseph W Pinner +  
Lafayette, LA  
KC5IJD  
EMail: kc5ijd@sprintmail.com

-----  
From: k4pf@juno.com  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: boatanchors@theporch.com  
Date: Sat, 30 Jan 1999 14:36:32 +0000  
Subject: Re: SB102 w/distorted receive audio  
Message-ID: <19990130.143633.3542.0.k4pf@juno.com>

> Greg Anders kg6yv@mindsprong.com reported raspy receive audio with an SB-102 transceiver

I don't have an SB102, so I can only talk in general terms.

It sounds like the bias is wrong in your audio amplifier, so it's no longer operating in Class A.  
Look first at the cathode voltage of the output tube. (audio gain at minimum)

Usually the tube has a resistor from cathode to ground with an electrolytic capacitor across it. Check that voltage first. A typical voltage here may be +2 VDC, but check the Heath data sheets. Even a 20K ohms/volt meter is good for this measurement. What you are looking for here is a shorted electrolytic across the cathode resistor, or a cathode resistor which has shifted value. Also check the screen grid voltage of the amplifier tube, there may be a bad electrolytic from screen grid to ground, or the screen grid dropping resistor may have changed value.

If that is good, check the voltage from the control grid of the audio amplifier tube to ground (you must use a high impedance measuring instrument here, a DMM, scope or VTVM). The voltage from control grid to ground should be zero. What you're looking for here is evidence of a leaky capacitor from the plate of the previous stage.

Hope this helps

Ed Knobloch k4pf@juno.com

-----  
You don't need to buy Internet access to use free Internet e-mail.  
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>  
or call Juno at (800) 654-JUNO [654-5866]

-----  
From: AAFRadio@erols.com  
Message-ID: <36B32B1C.B2AF446E@erols.com>  
Date: Sat, 30 Jan 1999 10:54:04 -0500  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Burping Batteries  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Arden Allen wrote:

> Because a car battery can be expected to be value engineered for use as a  
> car starter it can also be expected that it may not do so well being left  
> on trickle charge for long periods of time. My experience has been that  
> the battery eventually develops a high resistance and cannot be used for  
> its intended purpose. It took less than a year for a new battery to become  
> useless.

Same experience - that's one reason I stopped using them years ago. The other is too many years in the Navy's Civil Engineer Corps maintaining those @#!%& battery rooms. But think about the application here - most folks use them because a high current 24 power supply is hard to find and/or expensive. The reason they need the high current is generally starting a larger dynamotor, like for an ART-13 or BC-375. The starting currents for those approach 100 amps or more, so I don't believe there is much need to pulse the battery periodically if you're using it to supply one of these...they get it every time you turn on the transmitter. Arden's right - the car batteries are optimized for a particular environment, but the continuous trickle charge seems to be the only anomaly in a shack based application with large dynamotors/inverters. Like Arden, I have also been told that it builds up a high series resistance in the surface of the plates. It seems to me the cure for this anomaly is a "smart" charger that will turn off when the voltage reaches 14v, or failing that, at least charges only say a few hours out of the day. That's the kind of service the battery sees in a car, and it's not hard to approximate it. A simple clock timer would be the simplest solution here, but if you're into experimentation, it wouldn't take much to modify a trickle charger with some sensing circuitry.

73,  
Mike Hanz KC4TOS  
Herndon, VA

-----  
Message-ID: <003101be4c6a\$db50c2e0\$0300a8c0@cyber>  
From: "Ragnar Otterstad" <otterstad@inet.uni2.dk>  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: <boatanchors@theporch.com>  
Subject: Rotary inverter - Give away  
Date: Sat, 30 Jan 1999 17:07:42 +0100  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Just found a DM34 and have no need for it.

It is a give away for postage.

73 Rag OZ8RO

Rag Otterstad OZ8RO Copenhagen suburb: Birkerod  
Also JW5HE LA5HE. Previously held : G5BHQ HB9XCG

Collector of W.W.2 German military radio sets, clandestine sets all periods,  
cipher equipment.

Adress: Hosterkobvej 10. DK 3460 Birkerod, Denmark

Tel : ++45-4281 5205 evenings. ++45-4497 3366 daytime.

I work for MEC A/S, manufacturer of high quality and good looking pushbutton  
switches.

If you are designing electronics equipment and have an interest in switches  
please check the homepage at :

[HTTP://WWW.MEC.DK](http://WWW.MEC.DK)

To know more about my ham radio background try my personal homepage :  
[HTTP://WWW.WEBSPAWNER.COM/USERS/OZ8RO/](http://WWW.WEBSPAWNER.COM/USERS/OZ8RO/)

-----  
Date: Sat, 30 Jan 1999 10:11:25 -0600 (CST)  
From: Bob Roehrig <broehrig@admin.aurora.edu>  
To: Old Tube Radios <boatanchors@theporch.com>  
cc: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Batteries on Concrete  
Message-ID: <Pine.ULT.3.96.990130100916.5512A-1000000@admin.aurora.edu>  
MIME-Version: 1.0



Content-Type: TEXT/PLAIN; charset=US-ASCII

> Because a car battery can be expected to be value engineered for use as  
> a car starter it can also be expected that it may not do so well being  
> left on trickle charge for long periods of time. My experience has been  
> that the battery eventually develops a high resistance and cannot be  
> used for its intended purpose. It took less than a year for a new  
> battery to become useless.

My experience exactly. Another thing that can happen is a shorted cell.  
A marine deep discharge battery is a better choice for the shack.

"Nostalgia is a thing of the past"  
E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI  
CIS: Data / Telecom Aurora University, Aurora, IL  
630-844-4898 Fax 630-844-5530

-----  
Message-ID: <B5CA17E9EBB4D21192500060083A1A276A34C5@cartman.lex.rational.com>  
From: "Gibbs, Dennis" <dgibbs@Rational.Com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Collins C-975/URR description  
Date: Sat, 30 Jan 1999 12:46:20 -0500  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="ISO-8859-1"

Hello Jan and the group:

Jan Skirrow wrote:

> Hi folks ...  
>  
> Someone has asked me if I know anything about this unit. The only info  
I've  
> found so far is that it is a receiver control that operates in conjunction  
> with two R-390s to make up the AN/FRR-39 set. Can anyone provide more  
info?  
> Any ideas what it might be worth?  
>  
> Jan Skirrow, VE7DJX  
> Duncan, BC, Canada

I have one of these units, along with the manual. I thought I would post a

description of this unit for those that are interested. Here's an excerpt from the manual:

Receiver Control C-975/URR is designed to provide automatic frequency control (afc) of the audio frequencies used in a radioteletype system when the frequency shift is 850 cycles per second (cps). The equipment normally operates in conjunction with two Radio Receivers R-390/URR or R-391/URR. Separate control channels within the receiver control are used for the two receivers, but the power supply and metering circuits are common. The receiver control corrects for both transmitter and receiver drift and reduces retuning requirements.

The receiver control operates with an input frequency of 455 kilocycles (kc). The 455-kc intermediate-frequency (if.) signal from each receiver is applied to separate input circuits. Each if. signal is mixed with the output of a beat-frequency oscillator (bfo) and the resulting signal of 2,125 and 2,975 cps are available at the output terminals. The afc circuits function to maintain the 2,125 cps mark signal on frequency, thus correcting for frequency drift in either the transmitter or the receiver.

The receiver control is intended for use in a fixed station and not for mobile operation. The equipment can only be used as part of a system, such as Radio Receiving Set AN/FRR-33 or AN/FRR-39. These radio receiving sets are intended for operation with Radioteletype Terminal Equipment AN/FGC-1.

End of excerpt from manual.

This unit weighs about 50 pounds and is slightly smaller (8.75 inches vs. 10.5 inches) than the R390 receiver family. It has 35 tubes in it, with a tube complement of:

2D21W	2
3A4	1

6BH6	9	
6BJ6	6	
6C4	2	
6J4	1	
12AU7		7
26Z5W		2
5651	2	
5654/6AK5W	2	
6082	1	
	-	
	35	

My unit was purchased from a person who claims they uncrated it from the original packing material, and I believe it - The unit is in beautiful condition. Mine was manufactured by Collins, on contract 26566-PH-52-51. The manual is dated 31 March 1954.

I do not know how much these are worth, but this is the only one I've ever seen and is certainly immaculate. If anyone wants more information about this unit, let me know. Hope this was informative!

Dennis Gibbs  
dgibbs@rational.com

-----

End of BOATANCHORS Digest 2406  
\*\*\*\*\*

>From ???@??? Sun Jan 31 04:13:43 1999  
Message-Id: <199901310423.WAA13182@sco.theporch.com>  
Date: Sat, 30 Jan 1999 22:21:58 CST  
From: Old Tube Radios <boatanchors@theporch.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: BOATANCHORS digest 2407

#### BOATANCHORS Digest 2407

Topics covered in this issue include:

- 1) Who had the Apache/SB-10 for sale?  
by Jon Schmidt <schmidtj@ix.netcom.com>

- 2) Fair Price-Collins Mechanical Filter Adaptors  
by "ROBERT W. DOWNS" <RWDowns\_WA5CAB@compuserve.com>
- 3) Divorce Sale - Part One  
by Brian.Harris@sv.sc.philips.com (Brian Harris)
- 4) Fair Price-813's  
by "ROBERT W. DOWNS" <RWDowns\_WA5CAB@compuserve.com>
- 5) Re: Burping/Equalising  
by Andre Guibert <aguibert@sympatico.ca>
- 6) Chassis Cleaning  
by Jim Roik <jnroik@escape.ca>
- 7) Re: Burping/Equalising  
by "Arden Allen" <gumbear@pacbell.net>
- 8) Need Info...Mercury 2347 Microphone  
by Robert Ross <radiorob@serix.com>
- 9) FS 6A15's  
by "James D. Mayfield" <kb9bnr@revealed.net>
- 10) Re: Chassis Cleaning  
by "Arden Allen" <gumbear@pacbell.net>
- 11) Dial light replacements  
by dma@islandnet.com
- 12) FS: BC-611 Crystal Box, BX-49-A  
by deanbers@ix.netcom.com
- 13) K6KPH OTA for CX  
by Dick Dillman <ddillman@igc.apc.org>
- 14) Last Maritime Morse: VIP  
by "Tom R. Rice" <tomrice@netcom.com>
- 15) RCA CR-88A help needed  
by "Pete Ferrand" <pete@vermontel.net>
- 16) Navy RBM pair of rxs--help  
by Bob Login <jlogin@gville.mindspring.com>
- 17) Re: RCA CR-88A help needed  
by Bob Login <jlogin@gville.mindspring.com>
- 18) Tektronix Type 130 LC Meter  
by "Herbert M. Rosenthal" <herbrose@lobo.net>
- 19) New Shack  
by "James D. Mayfield" <kb9bnr@revealed.net>
- 20) Batteries and Such  
by Brian Bjerkelund <brianbj@compuserve.com>
- 21) Re: New Shack +  
by Bob/WB0AUQ <brainbol@lawrence.ks.us>

---

Message-ID: <36B350D3.95BCF609@ix.netcom.com>  
Date: Sat, 30 Jan 1999 10:35:00 -0800  
From: Jon Schmidt <schmidtj@ix.netcom.com>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Who had the Apache/SB-10 for sale?

Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi Everyone,

Last week there was a ham in Southern California who posted an Apache/SB-10 for sale on this reflector and I have misplaced his info. If anyone can help me locate him I would appreciate it!

Thanks and 73,

Jon WD8JSA

-----  
Date: Sat, 30 Jan 1999 14:17:25 -0500  
From: "ROBERT W. DOWNS" <RWDowns\_WA5CAB@compuserve.com>  
Subject: Fair Price-Collins Mechanical Filter Adaptors  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-ID: <199901301417\_MC2-689B-ABDF@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Disposition: inline

Group,

I have a couple or three people interested in the 353C-31 that I mentioned yesterday, but I'm at a loss for what would be a fair price. One source reports paying \$160.00 for four 353A's or B's. Anyone think that \$40.00 = is either too high or too low. Please reply direct.

73,  
Robert Downs  
WA5CAB  
Houston, TX

-----  
Mime-Version: 1.0  
Date: Sat, 30 Jan 1999 13:39:09 -0800  
Message-ID: <0024373B.1914@svlima.sv.sc.philips.com>  
From: Brian.Harris@sv.sc.philips.com (Brian Harris)  
Subject: Divorce Sale - Part One

To: Old Tube Radios <boatanchors@theporch.com>  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: 7bit  
Content-Description: cc:Mail note part

Due to my planned marriage I must divorce much of my ham gear. This is the first listing of several to come during the next few months. All items are plus shipping from 75080 (Richardson, Texas).

1. Hammarlund HQ-110 7 band (160-6 meters) receiver - This receiver works and has excellent cabinet paint and an excellent front panel except for some small paint chips right around the calibration control knob. It has the wrong bandswitch knob and is missing the little HQ-110 label. There is a non-original 3/8" hole in the rear apron with nothing in it. w/manual copy. \$100
2. Hallicrafters SX-111 5 band receiver (80-10 meters + WWV) - This is my bedside receiver. It works well. It has the crystal calibrator. One of the two screws that holds a small metal trim piece near the tuning knob has its head broken off. It will be simple to extract and replace. The knobs are correct and the cabinet paint is good with only a few minor scratches. w/manual copy \$120
3. Drake 2-B 12 band receiver (80-10 meters) - This receiver has ten crystals installed. It has a loud hum that varies with the audio gain control. The S-meter also varies with the RF gain control. It will need power supply recapping and general cleanup. The cabinet is a bit rusty and there is some rust along the bottom of the front panel as is common with these receivers. It has a 200 KHz calibrator. w/manual copy \$60
5. National NC-173 - 5 band general coverage receiver - This receiver barely works. It will need general cleanup and maintenance of pots and switches plus alignment. The cabinet paint is fair and the insides will clean up nicely. The knobs are original and in good shape as are the two frequency dials. The S-meter face has shifted position in the meter. It has a non-original power transformer and a new line cord. w/manual copy \$65
6. Gonset 3233 GSB-100 5 band SSB/AM/CW transmitter - I have not energized this transmitter. Although its electrical condition is unknown, it will be sold with the understanding that the power transformer is good. The cabinet paint is good. The front panel is very good with the exception of some paint that came off when I removed a former owner's call sign plate (why do people do this?). It has the correct knobs but is missing some of the screws that hold it into the cabinet. w/manual copy \$100
7. Yaesu FT-401B 5 band SSB/AM/CW transceiver - I have not energized this. It is missing the finals, the bottom cover and the fan. \$20
8. Hallicrafters S-94 Civic Patrol FM 30-50 MHz receiver - This receiver hums

but sort of works. It is in excellent condition cosmetically except for a very minor scratch on the front panel that can easily be touched up. \$25

9. Hickock 533A Tube Tester - This unit is in good condition and works well.  
\$50

Thanks and 73, Brian Harris WA5UEK

-----  
Date: Sat, 30 Jan 1999 15:14:00 -0500  
From: "ROBERT W. DOWNS" <RWDowns\_WA5CAB@compuserve.com>  
Subject: Fair Price-813's  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-ID: <199901301514\_MC2-6897-362D@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Disposition: inline

Group,

Anyone want to give me an opinion on a fair price for good used USA 813's=  
? =

AES don't list new ones anymore. =

BTW, I was just told that they are going to have some Japanese made ones =  
in  
the near future, supposedly @ \$29.00. I haven't called them to confirm i=  
t  
as I don't own anything using 813's.

TIA es 73,  
Robert Downs  
WA5CAB  
Houston, TX

-----  
Date: Sat, 30 Jan 1999 16:27:24 -0500 (EST)  
Message-Id: <199901302127.QAA14319@smtp11.bellglobal.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Andre Guibert <aguibert@sympatico.ca>  
Subject: Re: Burping/Equalising

Bonjour to All

Power Substation protection systems use battery  
trickle/equalise chargers.

Have been using a fork lift charger(100A/24V) with a 200w  
lamp load, it stops relay chattering, for my BA's  
dynamotors.

Andre  
johanne

-----  
Message-Id: <3.0.1.32.19990130154722.00707d7c@mail.escape.ca>  
Date: Sat, 30 Jan 1999 15:47:22 -0600  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Jim Roik <jnroik@escape.ca>  
Subject: Chassis Cleaning  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

This has probably been discussed before, but I could use some advise on how  
to clean a chassis.

I'm working on a Drake 2B with the copper plated chassis and a Hammarlund  
HQ-110 with what looks like a galvanized chassis. They both have black  
spots from what looks like moisture and years of crud.

Is there a way to clean and brighten these chassis? Does cleaning remove  
any kind of protective coating? If it does, how does one restore the coating.

Any words of wisdom would be appreciated.

Thanks.

Jim

-----  
Message-Id: <199901302301.PAA11452@mail-gw3.pacbell.net>  
From: "Arden Allen" <gumbear@pacbell.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Burping/Equalising  
Date: Sat, 30 Jan 1999 15:03:58 -0800  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit



Andre;

> Power Substation protection systems use  
> battery trickle/equalise chargers.

And no doubt batteries designed for that kind of service. Bonjour.

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

-----  
Message-Id: <3.0.32.19990130183105.006bff0c@mail.serix.com>  
Date: Sat, 30 Jan 1999 18:31:37 -0500  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Robert Ross <radiorob@serix.com>  
Subject: Need Info...Mercury 2347 Microphone  
Mime-Version: 1.0  
Content-Type: text/plain; charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

Hello Folks:

Does anyone have any idea what a Mercury Model 2347 Microphone looks like?? I have a chance to pick one up.....and have not seen it yet. I have checked all my Files on Microphone literature....and can't find anything on it. Has anyone got one of these in their Collection....or know what it looks like?? Is it a Chrome Mic???...and what type of Mic is it?? What vintage is this Model??

Any and all info on this Model would be greatly appreciated.

Thanks..regards...ROB.

Robert S. Ross VA3SW  
London, Ontario CANADA=20

Antique/Vintage Radio Enthusiast  
Amateur Radio Stations VA3SW/VE3JFC

Hot Tubes Rule!!!

=AB=A4=BB=A5=AB=A4=BB=A7=AB=A4=BB=A5=AB=A4=BB=A7=AB=A4=BB=A5=AB=A4=BB=A7=AB=  
=A4=BB=A5=AB=A4=BB=A7=AB=A4=BB=A5=AB=A4=BB=A7=AB=A4=BB=A5=AB=A4

-----  
Message-Id: <3.0.32.19990130175311.0068aaa8@revealed.net>  
Date: Sat, 30 Jan 1999 17:55:01 -0600  
To: Old Tube Radios <boatanchors@theporch.com>  
From: "James D. Mayfield" <kb9bnr@revealed.net>

Subject: FS 6AL5's  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I still have 80 6AL5's left, a few of the guys who committed to buying have not sent in the payment for them. It's been long enough, so I have 80 to sell. They come in lots of 10 tubes for \$10.00 shipped to your door. These are NOS, JAN tubes in boxes. They will be sold first come first serve.

73 Dave

\*\*\*\*\*  
Dave Mayfield KB9BNR  
Personal Web Page  
<http://home.revealed.net/qste/bnr/index.html>

-----  
Message-Id: <199901302354.PAA01791@mail-gw3.pacbell.net>  
From: "Arden Allen" <gumbear@pacbell.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Chassis Cleaning  
Date: Sat, 30 Jan 1999 15:55:45 -0800  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Hi Jim;

> ..... Is there a way to clean and brighten these chassis?.....

There are as many ways to clean chassis as there are members of this List. There are a few NECESSARY ingredients: Care, precision and elbow grease. The dunk it in a tub of soap and water and hose it off crowd like to live dangerously and don't mind savaging parts units to replace damaged parts. I prefer spot cleaning. I start by carefully blowing out the bugs and dust with an air hose. I spot wash with mild solvents (mineral spirits [paint thinner] is cheap and of low toxicity) to wash away crud with bristle, acid, or paint brushes. I use stronger solvents where required (acetone, Chemtool). No scraping, steel woolling or wire brushing the chassis. A dull looking chassis is properly oxidized and is resistant to corrosion and further oxidation. I then spot clean stubborn dirt with a solution of Mr. Clean and ammonia being careful not to get it into coils, transformers and trimmer capacitors. I wipe up with alcohol and water (drug store rubbing alcohol) and apply a coat of WD-40 (with a brush, no spraying), allow the radio to sit and then wipe dry with a clean cloth. I have radios going back more than 20 years that I have treated this way and they are free of corrosion and rust except for zinc plated hardware that likes to develop a coat of white oxide. Deep corrosion and rust spots I clean out with a

small wire brush with light circular strokes so scratch marks are avoided. I rub grease into these spots or touch up with gray or silver paint if they are in esthetically sensitive areas. I hesitate to try to remove unattractive corrosion spots on aluminum chassis because being soft it is difficult to avoid marring the appearance of the aluminum. A typewriter eraser works well on aluminum. There are those who object to the use of WD-40 and similar corrosion inhibitors because dust tends to cling to areas where it is applied. I don't mind the dust because it is benign and corrosion is unsightly to troublesome. I store radios wrapped in plastic so they don't collect dust. Copper chassis are coated with clear laquer but over the years the coating becomes porous and brown spots of oxidized copper result. I do not use strong solvents on copper chassis to avoid dissolving the coating. You can spot touch up the coating with thinned clear nail polish. I usually just give it the WD-40 treatment. I have seen no new spots in my Drake 2C which I've owned for almost ten years. That's a thumbnail sketch of how I do it. Good luck and enjoy restoring your radio. There is lots of help available from the list members so use it as needed. 73.

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

-----  
From: dma@islandnet.com  
Message-Id: <m106kmr-000KuMC@mail.islandnet.com>  
Date: Sat, 30 Jan 1999 16:31:50 -0800  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Dial light replacements  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I hope this doesn't trigger the list's censors ... they really are going to be used in tube radios ... honest.

There has been some talk on a couple of lists about using LEDs in place of some difficult to find dial lamps in our precious radios. I liked the idea - I'm currently working on some R-1051s and refuse to pay \$40 apiece for the lamps it requires. But I didn't want to use yellow LEDs either.

Someone recently told me that white LEDs were available. I looked through all my catalogs, but couldn't find anything. Lo, an Allied Electronics supplement appeared in my mailbox this week, and there were white LEDs galore.

Apparently some white LEDs have been available for awhile, but they are really red/green/blue combined. Some of the Allied ones are labelled as "pure white" and not R/G/B. I wonder how they do it?

Anyway, they come in various sizes, including with a bayonet base as a direct sub for types 44, 47 etc. They do require DC, however. Price varies

from \$2 to \$10 depending on style and intensity. The cheaper ones look perfect for some of my otherwise hollow-state BAs.

They are made by Sloan Optoelectronics, and are on page 68 of the latest Allied supplement.

Jan Skirrow, VE7DJX  
Duncan, BC, Canada

\*\*\*\*\*

<http://www.islandnet.com/~dma/Boatanchors/>

Information, Parts, Pictures, Articles: The R-390A  
and other classic gear.

\*\*\*\*\*

-----  
From: deanbers@ix.netcom.com  
Date: Sat, 30 Jan 1999 18:45:47 -0600 (CST)  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: forsale-swap@qth.net  
Message-Id: <1999130164723718467@ix.netcom.com>  
Subject: FS: BC-611 Crystal Box, BX-49-A  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

FS: BC-611 Crystal Box, BX-49-A

I have for sale a Signal Corp, BX-49A. This is a OD green wood box which has the following plug in devices inside:

12 RF coils  
12 Transmit Crystals  
12 Receive Crystals  
12 Antenna Coils

The frequency ranges is from 4025 to 5300KC on the components.  
The stuff is in excellant condition, including the box.

Make me an offer, I don't have a BC-611!

Dean, K06IJ

-----  
Date: Sat, 30 Jan 1999 17:00:47 -0800 (PST)

Message-Id: <2.2.16.19990130165946.0ed7ac02@pop.igc.org>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Dick Dillman <ddillman@igc.apc.org>  
Subject: K6KPH OTA for CX

For those who may be interested I hope to have K6KPH on the air for the Classic Exchange starting at around 3pm PST Sunday, 7 February. I'll be using the "ghost of KPH" setup including the Collins 51J-4 receiver, 30K-5 remote controlled transmitter and Boehme keying head reading a paper tape punched for the occasion on a Kleinschmidt perforator. The frequency will be 7037kc. See you there!

Regards,

Dick

Dick Dillman  
<ddillman@igc.apc.org>  
WPE2VT W6AWO  
Collector Of Heavy Metal:  
Harleys, Willys and Radios Over 100lbs.

-----  
From: "Tom R. Rice" <tomrice@netcom.com>  
Message-Id: <199901310138.RAA08552@netcom12.netcom.com>  
Subject: Last Maritime Morse: VIP  
To: Old Tube Radios <boatanchors@theporch.com>  
Date: Sat, 30 Jan 1999 17:38:14 -0800 (PST)  
Cc: boatanchors@sco.theporch.com (boatanchors list)  
MIME-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: 7bit

Just a note re Conard's post regarding the final Australian Maritime Morse Code Broadcast:

VIP (Perth) is very good in here this afternoon on both the 12 and 17 mc bands, so it looks good for the boomer tomorrow. The AR-88's a little driftty up there, but with a good warm-up, we oughtta do O.K. Kinda brings a tear to the eye, knowing what's coming.....

(A toast of brown, adult beverage will be appropriate ;-)

73 de WB6BYH

--

"Start off every day with a smile and get it over with." --W.C.Fields

Tom R. Rice

tomrice@netcom.com

-----  
Message-Id: <199901310155.UAA08952@raptor.vermontel.net>

From: "Pete Ferrand" <pete@vermontel.net>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: RCA CR-88A help needed

Date: Sat, 30 Jan 1999 20:58:44 -0500

My RCA CR-88A developed two problems which may be related:

1) a loss of sensitivity on the highest frequency band. Odd thing is, since there's some overlap between bands five and six, 22 MHz on band 5 is about twice the signal meter reading than 22 MHz on band 6. Yet the alignment hasn't changed and all circuits for the rf stages peak as they did before. Would seem to eliminate things like tubes and bypasses (which have been replaced a couple years ago) Switch looks OK with no flakiness. Tube socket voltages right on spec. Changing tubes doesn't help.

2) The "Diversity IF Gain" pot now provides the radio with maximum gain when it's in the 1 o'clock position. Previously max gain had, of course, been at 5 o'clock. Now I have several manuals here but none of them provides the circuit diagram for the IF gain pot. Looks like it controls the cathode of the first and second IF stages. Cathode voltage changes smoothly with the IF gain pot, that is, there's no peak at 1 o'clock. Grid voltage, however, of these stages does indeed peak with the IF gain gain at 1 o'clock. RF gain works as it always did. Doesn't sound like the IF's are oscillating or any other such nonsense. Pot checks OK. All IF tube voltages check OK.

This is my favorite radio and any I welcome any thoughts on how to deal with this particular challenge. Thanks.

-Pete

WB2QLL  
Plainfield, NH  
pete@vermontel.net

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Message-Id: <199901310212.VAA28765@dewdrop2.mindspring.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Date: Sat, 30 Jan 1999 21:10:14 -0500  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Bob Login <jlogin@gville.mindspring.com>  
Subject: Navy RBM pair of rxs--help

Hi fellow BAers-Planning to be working on these rxs and need a manual  
-a copy would be OK..Will pay for ur trouble.  
Also missing the power cable between power supply and rx's  
Anyone have one for sale by any chance?  
Any info on these rx's or where to find it or advice abt them  
would be very welcomed ----tnx & 73's Bob, AA8A

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Message-Id: <199901310248.VAA23921@dewdrop2.mindspring.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Date: Sat, 30 Jan 1999 21:46:02 -0500  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Bob Login <jlogin@gville.mindspring.com>  
Subject: Re: RCA CR-88A help needed  
Cc: Old Tube Radios <boatanchors@theporch.com>

Hi Pete--Don't hv a CR88A but my experiance suggests that the  
band switch is at fault with one of the rf stages not making contact.  
Go to bad band and try to peak-up trimmers or slug if little effect then its  
the switch at that section..contact grabber has spread to where there is no  
contact.  
73's Bob, AA8A

At 08:58 PM 1/30/99 -0500, you wrote:

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>  
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>This is my favorite radio and any I welcome any thoughts on  
>how to deal with this particular challenge. Thanks.  
>  
>-Pete  
>WB2QLL  
>Plainfield, NH  
>pete@vermontel.net  
>  
>  
>

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Message-ID: <36B3C5C4.7DD1@lobo.net>  
Date: Sat, 30 Jan 1999 19:53:59 -0700  
From: "Herbert M. Rosenthal" <herbrose@lobo.net>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Tektronix Type 130 LC Meter  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Well, we had a tailgate today here in Albuquerque. Eight AM, about 28F, bright sunshine, and I came home with a neat low range LC meter. It works quite well and it has ranges that are useful for DIY rf projects. The lowest scales are 3 pf and 3uH FS; max is 300 pf and 300 uH. looks to be accurate on components I measured at home.



I took a flyer on this, as I knew nothing about it, but the price was right (\$25). Asking price was \$50, and I caught the seller just as he was closing his trunk, the unit still unsold.

Now I'd like a manual for it, and I wonder if any of the BAers have either an extra, or one that they would allow me to copy. I'll pay the Priority Mail both ways, copy it at Kinkos, return it immediately, and extend my everlasting thanks, plus whatever is fair.

Please contact me directly if you are able to help.

In the meantime, i need a pilot lamp for it. Since all the tubes are 6v tubes, I presume the lamp is also 6V. It is one of the small globes with no socket-just two pins sticking down. You Tektronix wizards probably know all about this. Looks as if it might be a #12 which is 6.3v @ 150 ma but I'm just guessing. I'm sure I can find one here in town, if this is in fact, the correct number.

Again, a direct reply will be most appreciated.

Other stuff at the sale: linears in the \$6-800 range, 75A4 in pristine condition, a gazillion handheld VHF and UHF thingies ( I don't do thingies), Swan Cygnet and amp, etc... not many orts boxes to grub through, though I did find some clean Amperite octal based-timers @ 4/\$1 to use in my next linear PS.

Thanks in advance for any help.

Herb Rosenthal W5AN  
herbrose@lobo.net

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Message-Id: <3.0.32.19990130211931.00a1a5ec@revealed.net>  
Date: Sat, 30 Jan 1999 21:19:39 -0600  
To: Old Tube Radios <boatanchors@theporch.com>  
From: "James D. Mayfield" <kb9bnr@revealed.net>  
Subject: New Shack  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Well, I have out grown my shack. I bought three Collins receivers a Heath TX-1 and a RX-1, DX-100 and several others in the last 60days. These dam radios are just like peanuts, I had one and cant stop. Help!!! Going from a 9 by 12 shack, which I thought was big at the time, to a 17 by 17, hope this will provide enough space, till we move someday.

I hope to get myself under control someday. I hope the money flow keeps up, or I will have to turn to crime to finance my hobby, and get my filament fix!

73 Dave

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Dave Mayfield KB9BNR

Personal Web Page

<http://home.revealed.net/qste/bnr/index.html>

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Date: Sat, 30 Jan 1999 23:02:13 -0500

From: Brian Bjerkelund <brianbj@compuserve.com>

Subject: Batteries and Such

To: Old Tube Radios <boatanchors@theporch.com>

Message-ID: <199901302302\_MC2-68A2-61C0@compuserve.com>

MIME-Version: 1.0

Content-Transfer-Encoding: quoted-printable

Content-Type: text/plain; charset=ISO-8859-1

Content-Disposition: inline

Howdy Gang:

While I'm certainly not a battery engineer, nor an expert of ANY kind, I =  
do  
have limited experience with an item which may be of interest.

A battery should be regularly exercised to maintain it's life, keep plate=  
s  
clean, etc. Motorcycles and seldom-driven collector cars are notorious f=  
or  
killing batteries for this very reason, lack of exercise. It's not unusu=  
al  
for a seldom-used bike to lose a battery every year or two.

There is a device now on the market called a "Battery Tender", which is  
sold in most large bike shops. It's a self-monitoring charger which is  
intended to be used on the battery for extended periods. While I'm sure  
there will be some arguments against this type of thing, I can only tell  
you that it seems to work on my and my friends' bikes and seldom-used  
sporty cars. The average battery life was around 1 1/2 years and not one=

battery replaced since use of the Battery Tender, about 3 years now.

AND, the batteries never seem to lose the electrolyte! The BA tie-in is  
that I will be using my TCS rig with a deep-cycle battery and a Battery  
Tender. I will NOT put the battery on the concrete floor because my Dad

told me not to, 40+ years ago. My 14-year old mind couldn't see any difference between the concrete and a steel battery box and he said it seemed to be some sort of reaction between the hard rubber battery cases and the concrete. =

It just became a rule I've followed ever since. Kind of like "Don't point a gun at anything you don't wish to shoot." He taught me that one too.....

Best 73,

Brian, K7AIS

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Message-ID: <36B67D52.648C@lawrence.ks.us>  
Date: Mon, 01 Feb 1999 22:21:38 -0600  
From: Bob/WB0AUQ <brainbol@lawrence.ks.us>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: New Shack +  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Dave,  
Surely you jest! At the rate you are acquiring radios, the 17 x 17 shack will not last thru summer. I went from a 7 x 14 (kinda tight) to 10 x 16 and immediately ran out of room. Still have to store air-worthy rigs and swap out periodically when their turn comes to be operated for a while.  
A recent thread on the Drake list concerned which and how many Drake model numbers folks were actually using on the air (not necessarily \*connected\*). That might be interesting here on Boatanchors, but with a twist....

A Preface: The operating bench here is 15' long and divided into 8 "bays" with rigs in operating position 3 high. This, however, does not mean I have 24 rigs "on the air". Actually, just looking around now there are fewer than I had imagined were ready to go immediately. Some slots are taken up by SS stuff, rigs awaiting service, some just sitting and looking pretty, auxillary items such as SWR meters, tuners, clocks, etc.

So, to launch the fun, my \*actual\* on-the-air rigs (turn on the power switch, twist some knobs to direct aerial connections, keyer output, etc.):

1--Heath TX1/RX1 tx/rx

2--Heath HX-10/Hammarlund HQ170 tx/rx  
3--Heath SB401/SB301 tx/rx  
4--Heath HW101 trcvr  
5--Heath HW100 trcvr  
6--Ranger II/RME6900 tx/rx  
7--Drake C-line tx/rx  
8--Drake TR4-C trcvr  
9--National NCX3 trcvr

....and that's it except for the SWLing/utility receivers!  
With the CX coming up next weekend this could give us all an idea on  
what neat ole rigs to listen for. Of course, if you are like me, the  
list will have changed by that time. It's time to bring in the Eldico  
from the closet. What say?

Bob/WB0AUQ

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End of BOATANCHORS Digest 2407  
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